

Applicant: Gerhard GROSS et al
Docket No. R.308338
Preliminary Amdt.

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-5. (Canceled)

6. (New) In a sintered slide bearing for a shaft of an electrical machine which bearing has a bore for the shaft and also has capillary gaps and is saturated with a lubricant, the improvement wherein at least the surface region of the bore has zones of different density, which are saturated with a low-viscosity poly-alpha-olefin lubricant.

7. (New) The slide bearing as defined by claim 6, wherein the viscosity at 40°C is 22 mm²/s and at 100°C is 4.8 mm²/s.

8. (New) The slide bearing as defined by claim 6, wherein the ratio of the length to the width of the capillary gaps is between 2.5/0.75 and 1.4/0.8.

9. (New) The slide bearing as defined by claim 7, wherein the ratio of the length to the width of the capillary gaps is between 2.5/0.75 and 1.4/0.8.

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10. **(New)** The slide bearing as defined by claim 6, wherein the ratio of the length to the width of the capillary gaps is between 2/0.9 and 1.4/0.45.

11. **(New)** The slide bearing as defined by claim 7, wherein the ratio of the length to the width of the capillary gaps is between 2/0.9 and 1.4/0.45.

12. **(New)** An electrical machine having at least one bearing as defined by claim 6.

13. **(New)** An electrical machine having at least one bearing as defined by claim 7.

14. **(New)** An electrical machine having at least one bearing as defined by claim 8.

15. **(New)** An electrical machine having at least one bearing as defined by claim 10.